

L3-C1 Line following by neural network

You are asked to design a neural network that is able to detect when one of the two ground sensors of the Thymio robot detects a black line on a white background. In short, when one of the two sensors detect black, the output of the network should be “1”, otherwise be “0”. This implies a binary output function on the output layer and a linear output function in the hidden layers. Which of the following neural network architecture is the minimal one to achieve this task?

A, B, C or D?

